

SEQUENCE LISTING

<110> University of Rochester
Miller, Benjamin L.
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<120> METHOD OF IDENTIFYING HAIRPIN DNA PROBES BY PARTIAL
FOLD ANALYSIS

<130> 176/61751

<140>
<141>

<150> 60/533,894
<151> 2004-01-02

<160> 14

<170> PatentIn Ver. 2.1

<210> 1
<211> 960
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Partial gene
sequence of Bacillus anthracis pag gene

<400> 1
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aagaactttt ctttcacccat ggattttctaa tattcatgaa aagaaaggat taaccaaata 120
taaatcatct cctgaaaaat ggagcacggc ttctgatccg tacagtgatt tcgaaaagg 180
tacaggacgg attgataaga atgtatcacc agaggcaaga caccoccttg tggcagctta 240
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acagaatact gatagtcaaa cgagaacaat aagtaaaaat acttctacaa gtaggacaca 360
tactagtga gtagatgaa atgcagaagt gcatgcgtcg ttctttgata ttggtgggag 420
tgtatctgca ggatttagta attcgaattc aagtacggtc gcaattgata attcactatc 480
tctagcaggg gaaagaactt gggctgaaac aatgggttta aataccgctg atacagcaag 540
attaaatgcc aatattagat atgtaaatac tgggacggct ccaatctaca acgtgttacc 600
aacgacttcg ttagtgttag gaaaaaatca aacactcgcg acaattaaag ctaaggaaaa 660
ccaattaagt caaatacttg cacctaataa ttattatcct tctaaaaact tggcgccaat 720
cgcattaaat gcacaagacg atttcagttc tactccaatt acaatgaatt acaatcaatt 780
tcttgagtta gaaaaaacga aacaattaag attagatacg gatcaagtat atgggaatat 840
agcaacatac aattttgaaa atggaagagt gaggtggat acaggctcga actggagtga 900
agtgttaccg caaattcaag aaacaactgc acgtatcatt tttaatggaa aagatttaaa 960

<210> 2
 <211> 39
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Hairpin probe
 BaPag668-706 specific for Bacillus anthracis pag
 gene

<400> 2
 tttctttcac catggatttc taatattcat gaaaagaaa 39

<210> 3
 <211> 34
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Hairpin probe
 BaPag1208-1241 specific for Bacillus anthracis pag
 gene

<400> 3
 tcgttagtgt taggaaaaaa tcaaacactc gcga 34

<210> 4
 <211> 350
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Partial
 sequence of Staphylococcus aureus genome

<400> 4
 gaaatgaatg ttacggaaca aacgatgcaa caaaatcatg ctaatttaga ataaaataaa 60
 gatagtcgat aatatgatgc ctaggcagaa atattatcga ttatTTTTTT taaattatag 120
 tataatatca ataataaacg aataggggtg ttaattattga ttatTTTTTT gattttgatg 180
 gtacgttggc agacacgaaa aaatgtggtg acaaagtgc tttaaagcat gtggcttaac 240
 ggaaccatca tctaaagaaa tatgggaata cctattgaag aatcattttt aaaatttagca 300
 gaccgaccat agcatttagca aagttaatcg atacatttag acatacatat 350

<210> 5

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Hairpin probe
AH2 specific for Staphylococcus aureus genome

<400> 5

cgataatatg atgcctaggc agaaatatta tcg

33

<210> 6

<211> 37

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Hairpin probe
BH2 specific for Staphylococcus aureus genome

<400> 6

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<210> 7

<211> 39

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Complement of
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39

<210> 8

<211> 34

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Complement of
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<400> 8

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34

<210> 9

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Complement of
SEQ ID NO: 5

<400> 9

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33

<210> 10

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Complement of
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<400> 10

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37

<210> 11

<211> 49

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Hairpin probe
with modified stem

<400> 11

cgacgtttct ttcaccatgg atttctaata ttcataaaaa gaaacgtcg

49

<210> 12

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Hairpin probe
with modified stem

<400> 12

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39

<210> 13

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Hairpin probe
with modified stem

<400> 13

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44

<210> 14

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Hairpin probe
with modified stem

<400> 14

cgacgactgt taggaaaaaa tcaaacactc gtcg

34